Performance Data Sheet

TPG1390YMR

General Information

Model	TPG1390YMR	**Refrigerant**	R-134a
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	PTCS_CR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-40	Btu/h	358	302	241	169
	Watts (Power)	92.3	90.8	87.0	79.0
	Amps	0.43	0.41	0.39	0.35
	Lb/h	3.93	3.25	2.40	1.40
-35	Btu/h	594	538	471	390
	Watts (Power)	113	115	113	107
	Amps	0.51	0.50	0.50	0.47
	Lb/h	6.85	6.19	5.32	4.25
-30	Btu/h	813	760	692	603
	Watts (Power)	130	135	137	134
	Amps	0.58	0.59	0.60	0.59
	Lb/h	9.58	8.96	8.09	6.97
-25	Btu/h	1040	992	925	833
	Watts (Power)	144	153	159	160
	Amps	0.63	0.67	0.69	0.70
	Lb/h	12.4	11.9	11.0	9.89
-23.3	Btu/h	1120	1080	1010	919
	Watts (Power)	148	159	167	169
	Amps	0.65	0.69	0.73	0.74
	Lb/h	13.5	13.0	12.1	11.0
-20	Btu/h	1300	1260	1190	1100
	Watts (Power)	156	170	181	187
	Amps	0.68	0.74	0.79	0.82
	Lb/h	15.7	15.3	14.5	13.3
-15	Btu/h	1610	1580	1520	1430
	Watts (Power)	167	188	205	216
	Amps	0.73	0.82	0.90	0.95
	Lb/h	19.8	19.4	18.7	17.6
-10	Btu/h	2000	1980	1940	1850
	Watts (Power)	179	207	230	248
	Amps	0.79	0.91	1.01	1.09
	Lb/h	25.0	24.7	24.0	23.0

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.819422E+03	5.940049E+01	4.544841E-01	3.656730E+01
C2	1.173875E+02	-2.218966E+00	-9.093398E-03	1.685165E+00
C3	1.306808E+01	5.031120E+00	9.934893E-03	1.807850E-01
C4	2.754024E+00	3.672002E-02	2.242756E-04	3.924795E-02
C5	7.624014E-01	2.118899E-01	9.855335E-04	6.455359E-03
C6	-1.030280E-01	7.590202E-03	2.974199E-04	-2.509167E-03
C7	3.094258E-02	1.675089E-03	7.538665E-06	4.215669E-04
C8	5.848906E-03	1.737043E-03	7.455916E-06	4.229475E-05
C9	-4.669818E-03	-3.726981E-04	-2.092592E-06	-4.163410E-05
C10	-9.200020E-04	-2.858888E-04	-3.063554E-06	1.974119E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature